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## Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims**:

- 1. (Currently Amended) A method of enhancing an immune response to an antigen comprising administering an effective amount of an agent that can augment the level of a TAP molecule in a target cell bearing the antigen to a cell or animal in need thereof wherein the agent is a nucleic acid sequence comprising a sequence encoding a TAP molecule and wherein administration of the agent enhances the immune response to the antigen.
- 2. (Canceled)
- (Original) A method according to claim 1 wherein the target cell is a virally 3. infected cell.
- 4. (Original) A method according to claim 1 wherein the target cell is a tumor cell.
- 5. (Currently amended) A method according to claim 1.2 wherein the TAP molecule comprises TAP-1.
- 6. (Currently amended) A method according to claim 1.2 wherein the TAP molecule comprises TAP-2.
- 7. (Currently amended) A method according to claim 1 2 further comprising administering a nucleic acid sequence encoding an antigen.
- 8. (Original) A method according to claim 7 wherein the antigen is a viral antigen.

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- 9. (Original) A method according to claim 7 wherein the antigen is a tumor antigen.
- 10. (Currently Amended) A method according to claim 1 2 further comprising administering a growth factor, chemokine, accessory molecule or a gene inducible by retinoic acid, tumor necrosis factor, interferon alpha, beta or gamma, tapasin, calnexin, calreticulin, p53, p58, MHC I heavy chain, HSP 70, HSP 90, BIP, GRB94, interferon response proteins 3 and 7.
- 11. (Original) A method according to claim 10 wherein the accessory molecule is selected from the group consisting of tapasin, calnexin, calreticulin, p58, MHC class I heavy chain, β<sub>2</sub>M, LMP2 and LMP7.
- 12. (Original) A method according to claim 4 wherein the animal is also subjected to surgery, radiation, chemotherapy, immunotherapy or photodynamic therapy.
- 13. (Canceled)
- 14. (Original) A method according to claim 1 wherein the agent is administered intraperitoneally, subcutaneously, intravenously, orally, mucosally, submucosally or intradermally.
- 15. (Original) A method according to claim 4 wherein the agent is administered intraperitoneally, intratumorally, subcutaneously, intravenously, orally, mucosally, submucosally or intradermally.
- 16. (Currently amended) A method according to claim <u>1</u> 2 wherein the nucleic acid molecule is in a vector.
- 17. (Original) A method according to claim 16 wherein the vector is a viral vector.

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  - 18. (Original) A method according to claim 17 wherein the viral vector is selected from the group consisting of vaccinia based vectors, adenovirus based vectors, lenti virus based vectors and HSV based vectors.
  - 19. (Original) A method according to claim 16 wherein the vector is a plasmid.
  - 20. (Currently amended) A method according to claim 19 wherein the plasmid is <u>ian</u> a liposome formulation.